BRUHAT BANGALORE MAHANAGARA PALIKE

FORM OF EXTRA ITEM RATE LIST-1, IN FORM NO. P.W.G.71.

Name of work: Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.

Estimated cost : 12.50 Crores

Agency Name: A G Narayanaswamy

Work Order No & Date:02/21-22, Dated:26.05.2021

Sl. No.	Description of work	Unit	As per qty	Rate in Rupees	Amount(Rs)	Whether the items are alternative to the item in the tender, whether these are additional items or sometimes in Accepted tender	Whether the extra items are included in the sanctioned estimate	How the extra cost of the item is proposed to be met	Whether the item is indicated in the SR	Remarks
1	2	3	4	5	6	7	8	9	10	11
E-1	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (Page, 25 Item 5.26.2)	Sqm	178.72	989.23	176795.19	Additional item	Yes	Met out from the overall savings		
E-2	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (Page, 13 Item 4.6)	Cum	11.39	5804.79	66128.17	Additional item	Yes	Met out from the overall savings		
E-3	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (Page, 27 Item 5.30)	Nos	3351.00	436.80	1463732.88	Additional item	Yes	Met out from the overall savings		
E-4	KSRRB 300-Compaction KSRRB 300-58 Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	21715.64	6.42	139414.38	Additional item	Yes	Met out from the overall savings		

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	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page, 147 Item 19.60)	Cum	1263.07	347.95	439478.02	Additional item	Yes	Met out from the overall savings		
E-6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page, 153 Item 20.6)	Cum	1277.54	1873.55	2393534.13	Additional item	Yes	Met out from the overall savings		
	Total				4679082.77					

Percentage of EIRL over the Tender Sancitoned = (EIRL amount / Cost of Sanctioned Tender) x 100 = 4.42%

5/8/2021

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Projects Division-Yelahanka Zone

Executive Engineer
Project Division
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BBMP, Bangalore-92

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BRUHAT BANGALORE MAHANAGARA PALIKE

Projects Division-Yelahanka Zone

WORK SLIP / FORM PWD-458

Name of the work : Developments works to be under taken in Ward No.56 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagalur and Kattigenahalli Byatarayanapura Constituency.

Estimate cost: 12.56 Crores

Amount put to Tender in Rs : 1547.55 Lakhs

Work Order No & Date:92/21-22, Dated:26.05.2021

Agency: M/s. A.S.Narayanaswamy

Sl. No.	Description	Unit	Rates as per Sanctioned Estimate			As per Quoted Rate			Total Qty as per Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Actual Amount	Amount Excess over the approved amount	Remarks
			Qty	Rate	Amount	QTY	Rate	Amount		QTY	Rate	Amount	QTY	Rate	Amount			
4	KSR/E 4.1.2 Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.852cum and fine aggregates @ 0.465cum machine mixed, machine mixed concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13) No-4.2 KPWD SR 2016-19)	Cum	67.20	5505.64	369979.01	67.20	5109.20	343338.24	249.27	84.00	5109.20	429172.80	165.27	5590.70	919016.29	1348189.09	1004850.85	As per site condition
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete including cost of steel as per MORTH specification No. 1500, 1709, 2200 including cost of materials, labour, HOM complete as per specifications(a- Wall & bottom thickness 15cm (I No-27.5h.2.P No-271 KPWD SR 2016-19)	Cum	165.12	7070.20	1167431.42	165.12	6940.80	1146084.90	543.25	208.40	6940.80	1432581.12	336.85	7140.90	2405412.84	3837993.96	2691929.06	As per site condition
6	KSRDB M2206-6 Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design Deps. hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I No-28.8.2.P No-229)	MT	14.86	72316.38	1074621.41	14.86	67480.00	1002752.80	32.75	18.57	67480.00	1253103.60	14.18	80948.07	1147843.58	2400947.18	2489834.86	As per site condition
8	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete As per Engineer incharge. (Data Plate)	Sqm	1080.00	2331.00	2517480.00	1080.00	2125.62	2295669.60	1528.89	1300.00	2125.62	2763307.00	178.89	2314.31	421162.52	3290749.52	1105756.03	As per site condition
	Total Construction Cost				6129511.84			4787825.54				5984444.52			4893435.22	10877879.74	7292370.80	

Percentage of Workslip over the Tender Sanctioned = (Excess amount over the approved Tender amount / Cost of Sanctioned Tender) x 100 - 6.99%

Assistant Engineer 5/7/2021

Asst.Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

Projects Division-Yelahanka Zone

Rate Analysis

Name of the work : Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.

Estimate cost:- 12.50 Crores

Work Order No & Date:02/21-22, Dated:26.05.2021

Agency: M/s. A G Narayanaswamy

Sl. No.	Description	Unit	SR	Item	Basic Rate	Loading and Unloading / lead	Sub total	AW	Total Rate	Rate as per Tender premium
			Page No	No	In Rs	In Rs	In Rs	6%	In Rs	1.00%
	Work Slip Items									
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13,I No-4.2,KPWD SR 2018-19)	Cum	13	4.2	5194		5194	311.64	5505.64	5560.70
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271,KPWD SR 2018-19)	Cum	271	37.59.2	6670		6670	400.2	7070.20	7140.90

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6	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I No-28.8.2,P No-229)	Tonns	229	28.8.2	75610		75610	4536.6	80146.60	80948.07
8	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm			2331		2331		2331.00	2354.31
	EIRL Items										
E-1	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (Page, 25 Item 5.26.2)	Sqm	27	5.26.2	924		924	55.44	979.44	989.23
E-2	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (Page, 13 Item 4.6)	Cum	13	4.6	5422		5422	325.32	5747.32	5804.79
E-3	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (Page, 27 Item 5.30)	Nos	27	5.3	408		408	24.48	432.48	436.80

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E-4	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	147	19.64	6		6	0.36	6.36	6.42
E-5	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page, 147 Item 19.60)	Cum	147	19.60	6		6	0.36	6.36	6.42
E-6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page, 153 Item 20.6)	Cum	153	20.6	1750		1750	105	1855.00	1873.55

JE
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